

Comparisons of Job Characteristics

Focus Occupation: [Electric Motor, Power Tool, and Related Repairers \(49-2092\)](#)

Associated Occupation: [Electricians \(47-2111\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 76

Focus Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)

Associated Occupation: Electricians (47-2111)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	16.5	17.7	0	Current knowledge level may be sufficient
Building and Construction	4.0	14.6	4.4	<<	Extensive education and/or training may be required
Mathematics	9.2	14.5	7.8	<<	Extensive education and/or training may be required
Design	5.2	13.4	6.3	<<	Extensive education and/or training may be required
Administration and Management	8.4	12.2	6.1	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	11.8	9.2	<	Expanded education and/or training may be required
Physics	4.3	10.9	4.0	<<	Extensive education and/or training may be required
Telecommunications	3.9	10.4	1.8	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)

Associated Occupation: Electricians (47-2111)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Troubleshooting	4.5	12.3	12.6	0	Current skill level may be sufficient
Repairing	3.4	11.6	14.0	>	Skill level is likely sufficient
Quality Control Analysis	5.9	11.0	11.9	0	Current skill level may be sufficient

Equipment Maintenance	3.5	10.3	11.5	>	Skill level is likely sufficient
Installation	1.7	9.4	7.4	<	A higher skill level may be required
Equipment Selection	3.3	8.4	10.4	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)

Associated Occupation: Electricians (47-2111)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Visual Color Discrimination	6.4	12.8	11.0	<	Some improvement in abilities may be required
Visualization	7.5	12.2	10.5	<	Some improvement in abilities may be required
Finger Dexterity	7.6	11.8	13.9	>	Current ability level is likely sufficient
Extent Flexibility	4.8	10.4	7.9	<<	Extensive improvement in abilities may be required
Gross Body Equilibrium	3.2	8.2	5.2	<<	Extensive improvement in abilities may be required
Speed of Limb Movement	3.2	6.6	6.1	0	Current ability level may be sufficient
Glare Sensitivity	2.6	5.9	5.5	0	Current ability level may be sufficient
Sound Localization	2.2	5.3	4.8	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 75

Focus Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)

Associated Occupation: Electricians (47-2111)

Work Activities	Exclusivity of Activity
Distinguish colors	44
Fabricate, assemble, or disassemble manufactured products by hand	11
Install or replace meters, regulators, or related measuring or control devices	66
Install/connect electrical equipment to power circuit	57
Move or fit heavy objects	8
Perform safety inspections in industrial, manufacturing or repair setting	32
Read blueprints	10
Read technical drawings	7
Repair or replace electrical wiring, circuits, fixtures, or equipment	49
Solder electrical or electronic connections or components	55

Test electrical/electronic wiring, equipment, systems or fixtures	54
Understand service or repair manuals	40
Use electrical or electronic test devices or equipment	40
Use hand or power tools	2
Use high voltage apparatus	76
Use soldering equipment	44
Use voltmeter, ammeter, or ohmmeter	52

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)
Associated Occupation: Electricians (47-2111)

Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.